

Title (en)
SELF-TENSIONING VASCULAR OCCLUSION DEVICE AND METHOD FOR ITS USE

Title (de)
GEFÄSSVERSCHLUSSVORRICHTUNG MIT SELBSTSPANNUNG UND VERFAHREN ZU IHRER VERWENDUNG

Title (fr)
DISPOSITIF D'OCCLUSION VASCULAIRE AUTO-TENDEUR ET SON PROCEDE D'UTILISATION

Publication
EP 1748733 A4 20121031 (EN)

Application
EP 05759503 A 20050518

Priority
• US 2005017688 W 20050518
• US 85717704 A 20040527
• US 97400804 A 20041025

Abstract (en)
[origin: US2005267522A1] The present invention advantageously provides self-tensioning occlusion devices, systems, and methods for percutaneous access and closure of vascular puncture sites. One device comprises a catheter body, an occlusion member, and a tensioning member. The occlusion member, such an expansible member, is disposed on a distal end of the body. The tensioning member, such as a spring or coil, is slidably disposed over the body and proximal the expansion member. Generally, during application, the tensioning member will be deployed against subcutaneous tissue so as to apply tension to the expansible member against the puncture site. The substantial hold once the tension is applied is then provided by external means, such as an anchoring clip.

IPC 8 full level
A61B 17/00 (2006.01); **A61B 17/08** (2006.01); **A61F 2/958** (2013.01)

CPC (source: EP US)
A61B 17/0057 (2013.01 - EP US); **A61B 2017/00659** (2013.01 - EP US); **A61B 2017/00986** (2013.01 - EP US);
A61B 2090/0807 (2016.02 - EP US)

Citation (search report)
• [E] WO 2005092204 A2 20051006 - ACCESSCLOSURE INC [US], et al
• [XI] WO 9902091 A1 19990121 - SUB Q INC [US], et al
• [XI] WO 03094749 A1 20031120 - NEOMEND INC [US]
• [X] US 2002062104 A1 20020523 - ASHBY MARK [US], et al
• [X] US 2002188319 A1 20021212 - MORRIS EDWARD J [US], et al
• See references of WO 2005117715A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2005267522 A1 20051201; **US 7993366 B2 20110809**; EP 1748733 A2 20070207; EP 1748733 A4 20121031; EP 1748733 B1 20160706;
JP 2008500103 A 20080110; JP 4954063 B2 20120613; WO 2005117715 A2 20051215; WO 2005117715 A3 20060504

DOCDB simple family (application)
US 97400804 A 20041025; EP 05759503 A 20050518; JP 2007515192 A 20050518; US 2005017688 W 20050518